

Resource Summary Report

Generated by [kravitz2](#) on Aug 5, 2026

SD-Gnal^{em1Hpng}-/-

RRID:RGD_150429817

Type: Organism

Proper Citation

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Organism Information

URL: <https://rgd.mcw.edu/rgdweb/report/strain/main.html?id=150429817>

Proper Citation: RRID:RGD_150429817

Description: Rattus norvegicus with name SD-Gnal^{em1Hpng}-/- from RGD.

Species: Rattus norvegicus

Notes: The homozygous Gnal mutant rats were created by CRISPR/Cas9. Guide RNA sequences targeting the first exon of the rat Gnal gene isoform 2 were designed. The mutated allele contained a 13- bp deletion in exon1 that corresponded to position 34 to 46 downstream of the translation start point ATG of the Gnal splicing variant 2 was detected resulting in an early stop at position 150 and producing a truncated protein with 50 amino acids. Only 5% of homozygous Gnal knockout mice could survive till maturity

Catalog Number: 150429817

Background: mutant

Database: Rat Genome Database (RGD)

Database Abbreviation: RGD

Availability: Unknown

Alternate IDs: 150429817

Organism Name: SD-Gnal^{em1Hpng}-/-

Record Creation Time: 20230509T191951+0000

Record Last Update: 20260801T194049+0000

Ratings and Alerts

No rating or validation information has been found for SD-*Gnal^{em1Hpng}*^{-/-}.

No alerts have been found for SD-*Gnal^{em1Hpng}*^{-/-}.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Rat Genome Database (RGD)

Usage and Citation Metrics

We have not found any literature mentions for this resource.